

# 100 kW Grid-Tied Inverter

High-efficiency, High-reliability, Microgrid and Backup Power Capable

## Application Guide GTI-100-480



Included in this Guide:

Solar (PV) Arrays

Battery Banks

Wind Turbines

AC Motor Control

Off-grid (standalone) mode

Line-interactive AC generator

Parallel units for large systems

Princeton Power Systems, Inc.

[www.princetonpower.com](http://www.princetonpower.com)

201 Washington Road, Building # 2  
Princeton, NJ 08540  
USA

Tel: +1 609.955.5390

Fax: +1 609.751.9225

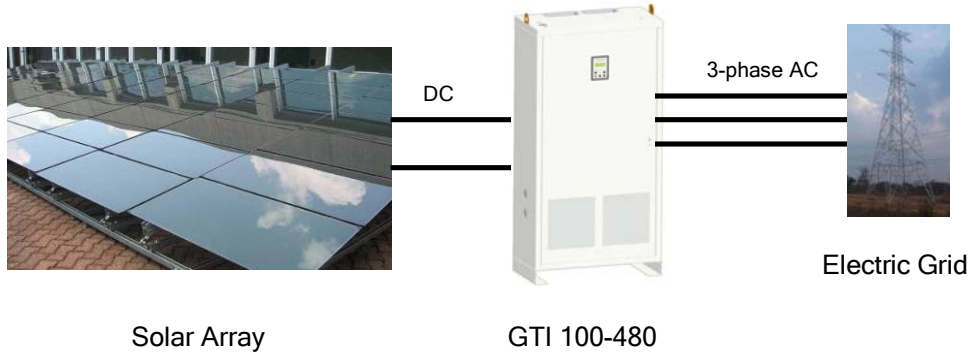
Support

Email: [support@princetonpower.com](mailto:support@princetonpower.com)

Sales

Email: [sales@princetonpower.com](mailto:sales@princetonpower.com)

## Grid Connected Solar Array

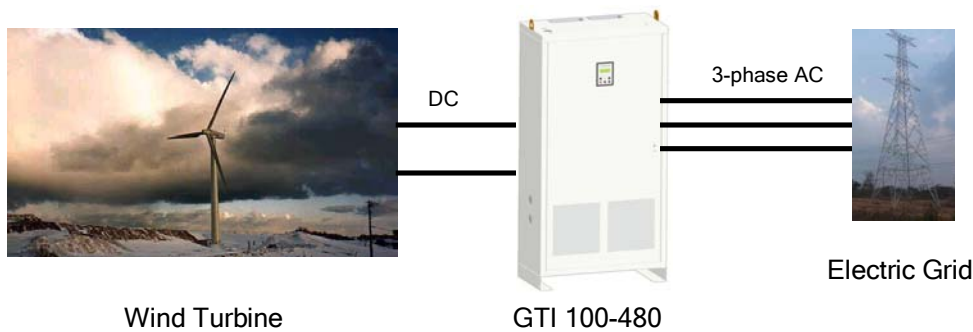


Advanced Max Power Tracking Algorithm

High-efficiency

Wide Voltage Range

## Grid Connected Wind Turbine



Programmable Power Curve / Speed Control

High-efficiency

Optional Dump Load

## Grid Connected Battery Bank

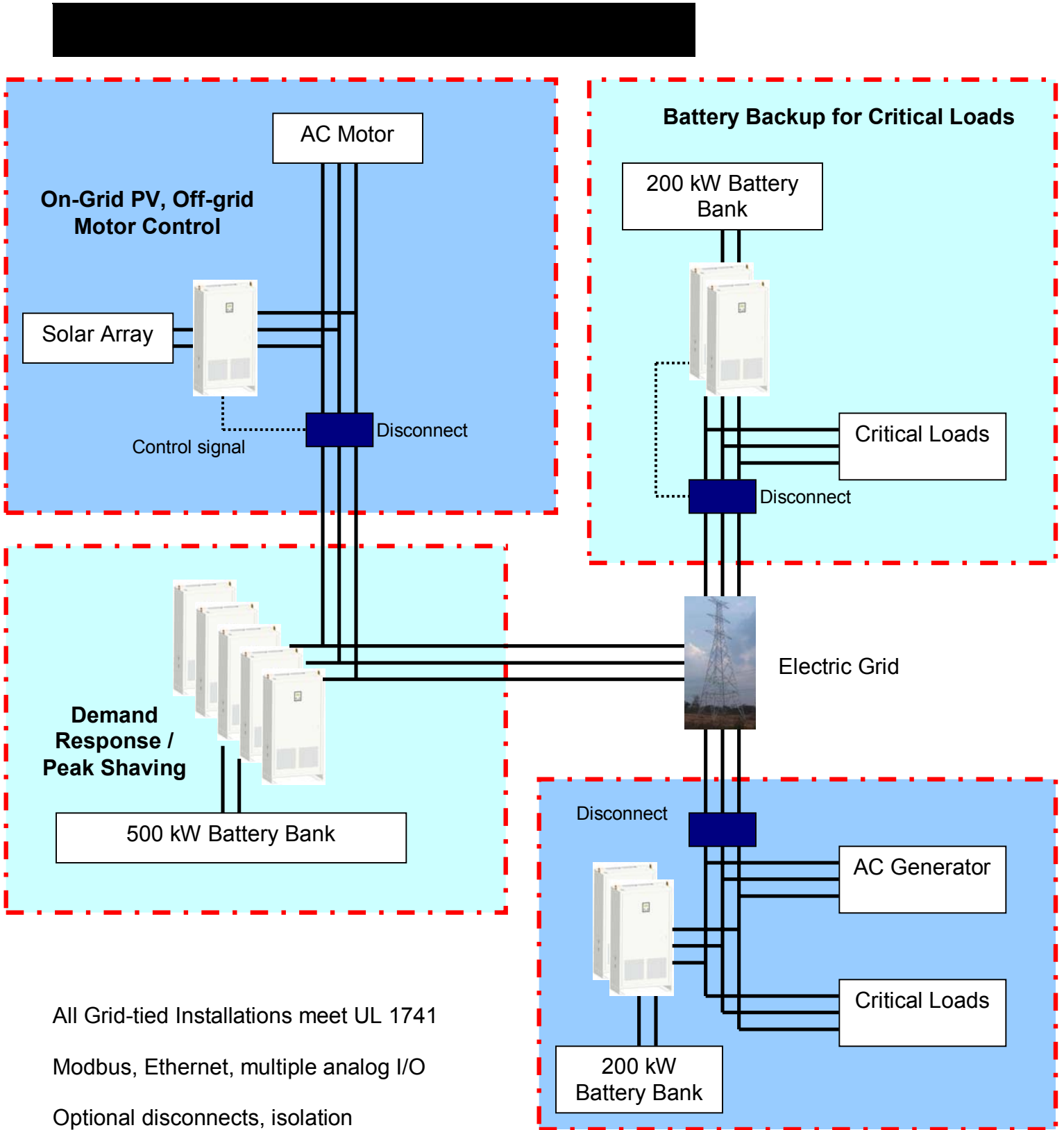


Charge/Discharge Algorithms

Programmable Demand Response

Wide Voltage Range

# 100 kW Grid-Tied Inverter



All Grid-tied Installations meet UL 1741

Modbus, Ethernet, multiple analog I/O

Optional disconnects, isolation transformers

Princeton Power Systems provides evaluation, system engineering, and design services for many applications.